

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: SAIDA et al.

Confirmation No.: 6336

US Patent: 7,218,425 B2

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Customer No.: 27123

For: DUST AND/OR DIRT DETECTION IN IMAGE READING APPARATUS HAVING
READ-WHILE-FEED FUNCTION

SUPPLEMENTAL REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT

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Sir:

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Respectfully submitted,
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Dated: March 10, 2008

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NUMBER : 7,218,425 B2
DATED : May 15, 2007
INVENTOR(S) : SAIDA et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page:

under "(56) References Cited", subsection, FOREIGN PATENT DOCUMENTS",
change "JP 10-56542 3/1998" to --JP 10-56542 2/1998--.

MAILING ADDRESS OF SENDER: Morgan & Finnegan, LLP
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New York, NY 10281-2101

PATENT NO. 7,218,425 B2
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IMAGE READER

Patent Number: JP10056542
Publication date: 1998-02-24
Inventor(s): TANIGAWA JUNICHI
Applicant(s): RICOH CO LTD
Requested Patent: JP10056542
Application Number: JP19960229301 19960812
Priority Number(s):
IPC Classification: H04N1/19; G03B27/52; G03G21/00
EC Classification:
Equivalents:

Abstract

PROBLEM TO BE SOLVED: To provide an image reader which reads an high quality image by detecting sticking of dust to contact glass, etc., and avoiding the effects caused by the dust.

SOLUTION: Facsimile equipment 1 reads a reference color member 23 with its read part 17 before reading original 4 and decides the existence of dust. When it decides that 'dust exists', the equipment 1 performs either of read part moving and avoiding processing or dust existence notifying processing in response to its selection. In the read part moving and avoiding processing, the part 17 is moved in a prescribed amount in a subscanning direction by moving rollers 21 and 22, dust decision processing is performed again and 'no dust' is decided, or the read part moving and avoiding processing is repeatedly performed until the part 17 is moved its prescribed movable range. When the decision of 'no dust' is not acquired, the dust existence notifying processing or original reading processing is performed. In the dust existence notifying processing, the position to which dust is stuck is calculated from the bit position of back pixels of read image information of the member 23, and the position to which dust is stuck is shown in an operational display part or outputted for record to recording paper.

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TOP

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(54) 【発明の名称】 画像読取装置

(57) 【要約】

【課題】本発明はコンタクトガラス等へのゴミの付着を検出して当該ゴミによる影響を回避し高品質の画像の読み取りを行う画像読取装置を提供する。

【解決手段】ファクシミリ装置1は、その読取部17で原稿4の読取前に基準色部材23を読み取り、ゴミの有無を判定する。「ゴミ有り」と判定すると、選択に応じて読取部移動回避処理とゴミ有り通知処理のいずれかの処理を行う。読取部移動回避処理では、読取部17を移動ローラ21、22により副走査方向に所定量移動させて再度ゴミ判定処理を行い、「ゴミ無し」と判定するか、所定の移動可能範囲を読取部17を移動させるまで読取部移動回避処理を繰り返し行う。「ゴミ無し」と判定すると、原稿4の読み取りを行い、「ゴミ無し」の判定が得られないと、ゴミ有り通知処理あるいは原稿読取処理を行う。ゴミ有り通知処理では、基準色部材23の読取画情報の黒画素のビット位置からゴミ付着位置を算出し、ゴミ付着位置を操作表示部に表示または記録紙に記録出力する。

